ABSTRACT

A process for preparation of 10-oxo-10, 11-dihydro-5H-dibenz[b,f] azepine-5-carboxamide (oxcarbazepine) via intermediate 10-methoxy-5H-dibenz[b,f]azepine -5-carbonyl chloride, comprising the steps:

a) Preparation of an intermediate 10-methoxy-5H-dibenz [b,f] azepine -5 carbonyl, chloride from 10-methoxyiminostillbene using bis (trichloromethyl) carbonate (BTC) with organic base such as aliphatic or aromatic tertiary amines in organic solvent;

b) Conversion of the intermediate to 10-methoxy-5H-dlbenz[b,f] azepine –5-carboxamide using ammonia in organic solvent;

c) Formation of oxcarbazepine from step(b) using Bronsted acid in an organic solvent at a temperature between 25°C - 80°C, preferably at 50°C to 70°C; and

d) Isolation of oxcarbazepine.